

FIG. 1a

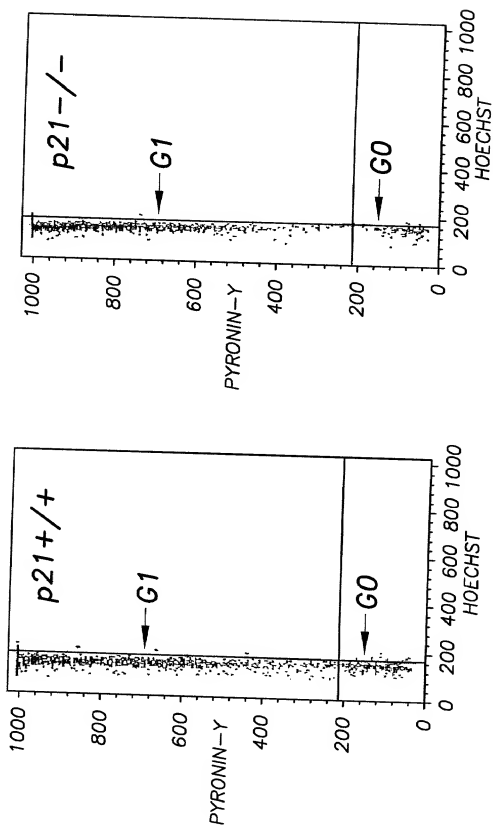


FIG. 1b

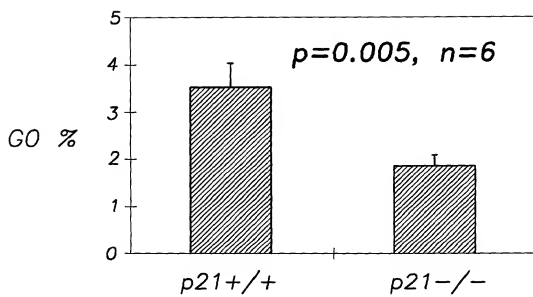


FIG.2a

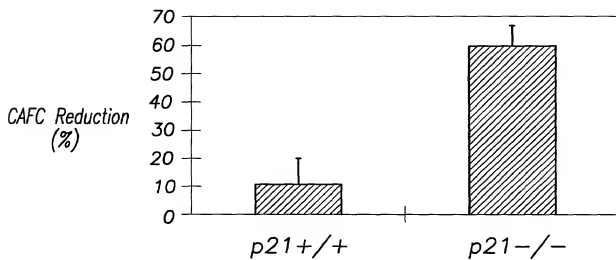


FIG.2b

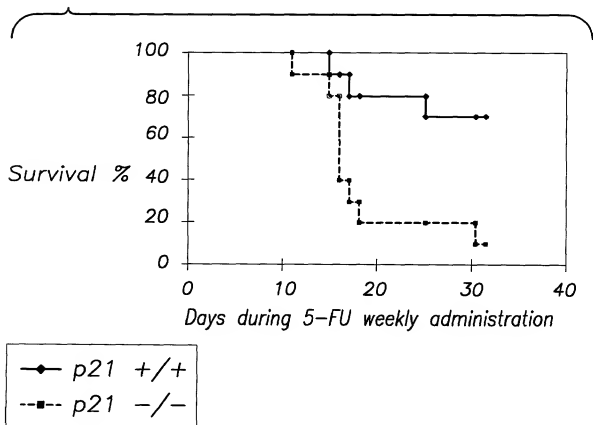


FIG.3a

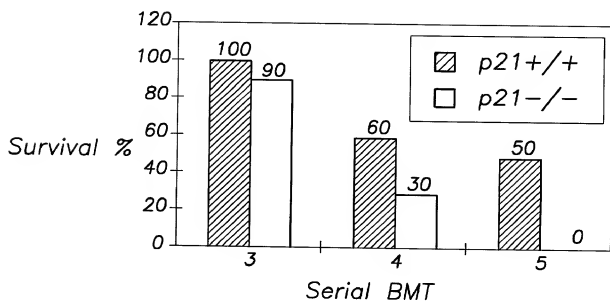


FIG.3b

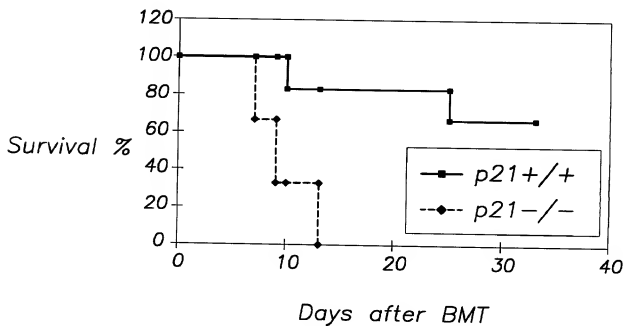


FIG.3c

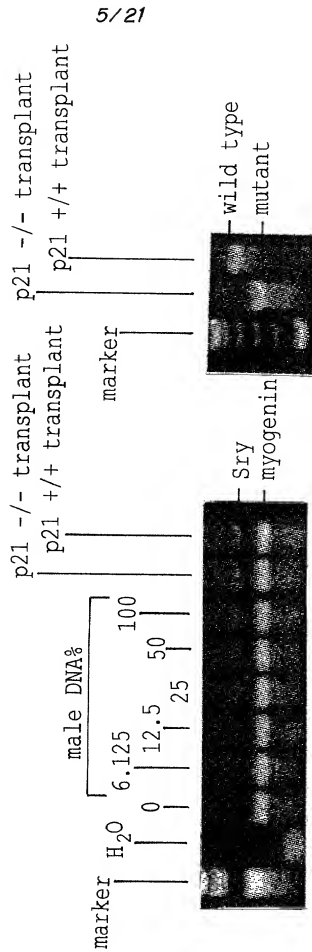
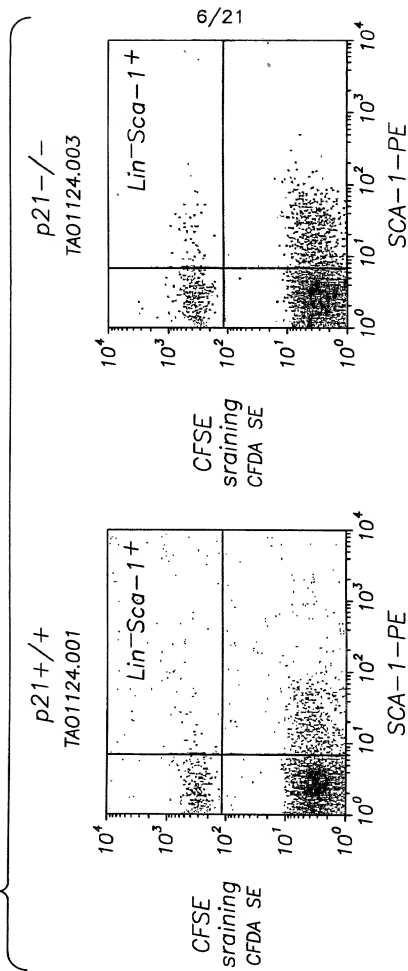


FIG. 4



Sca-1 staining

FIG.5a

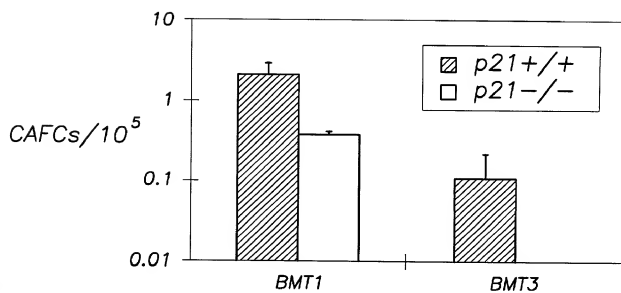


FIG.5b

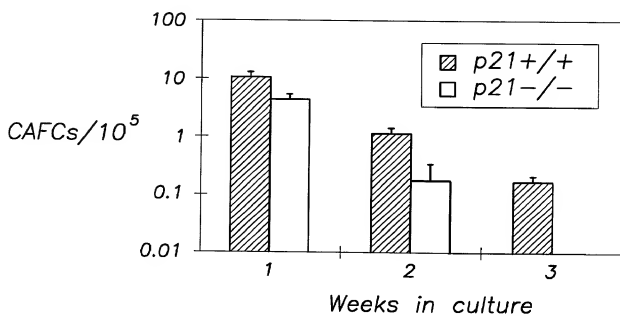


FIG.6b

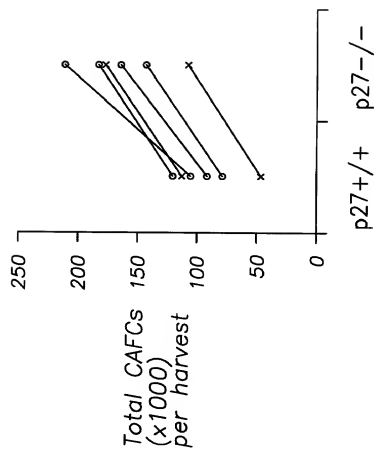


FIG.6a

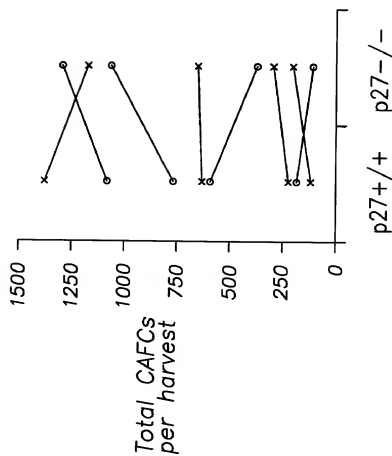


FIG. 7a-1

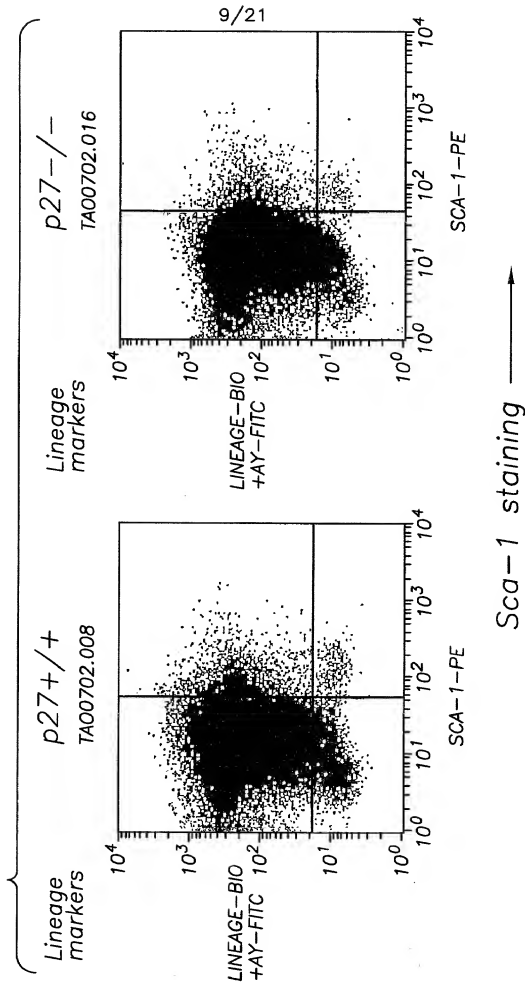
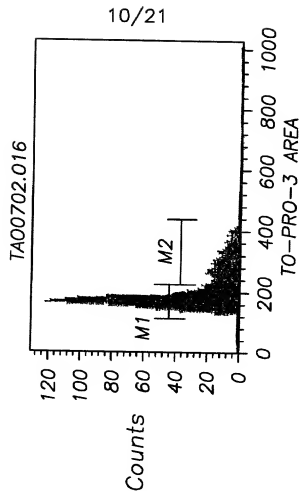
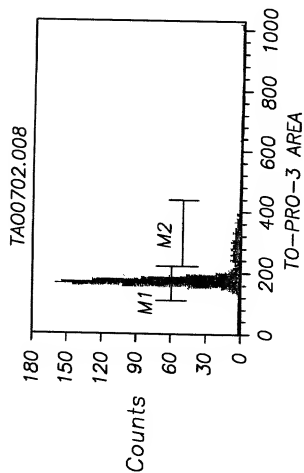


FIG.7a-2

Sca-1+Lin+

Sca-1+Lin+



To-pro-3 staining →

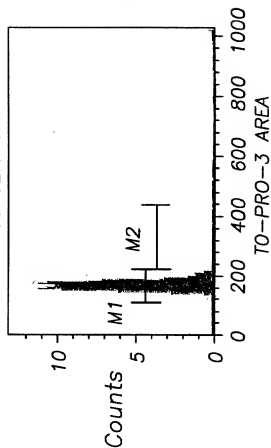
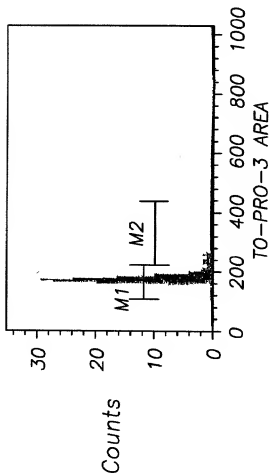
FIG. 7a-3

Sca-1+Lin-

Sca-1+Lin-

TA00702.008

TA00702.016



11/21

To-pro-3 staining →

FIG.7b

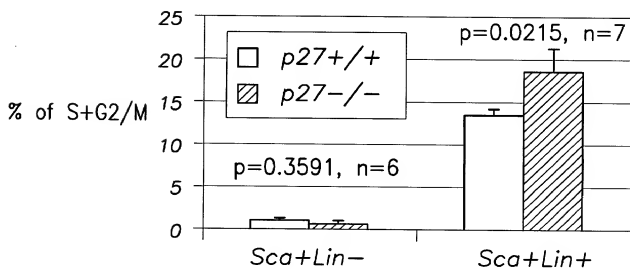


FIG.7c

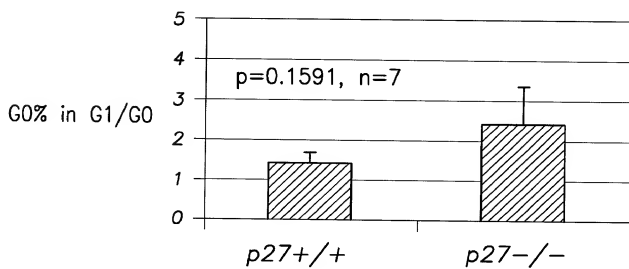


FIG.8

Reduction %

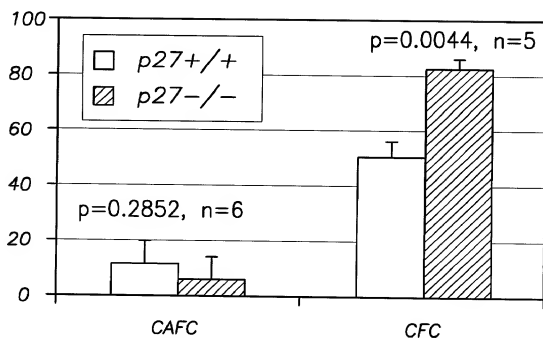


FIG.9a

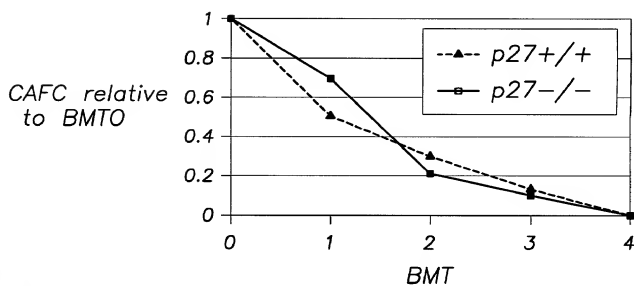


FIG.9b

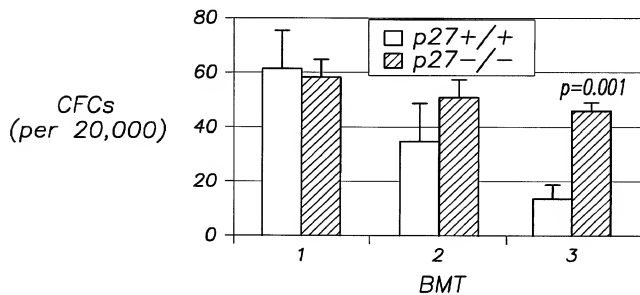


FIG.9c

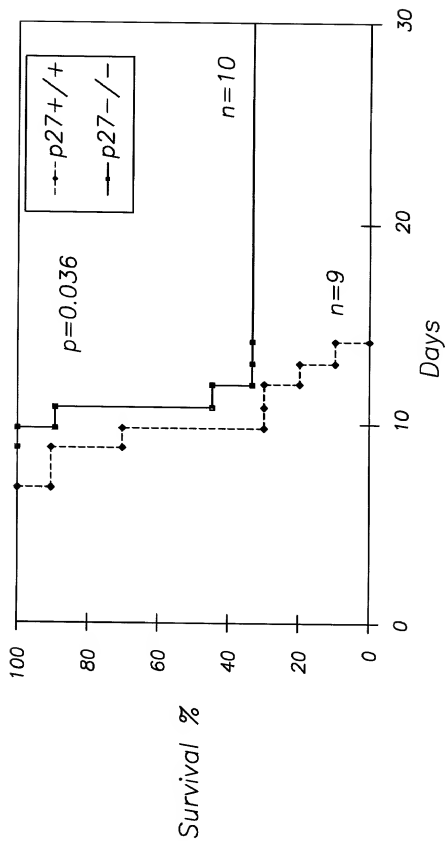


FIG. 10c

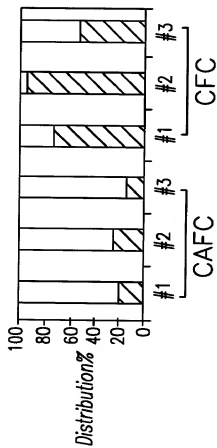


FIG. 10d

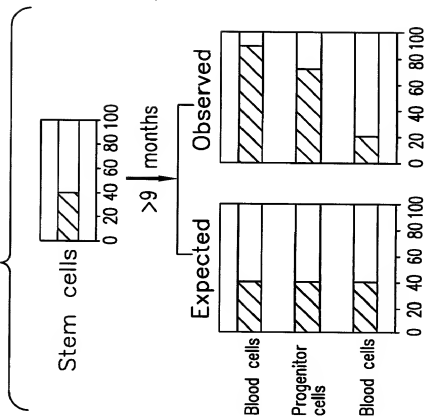


FIG. 11a

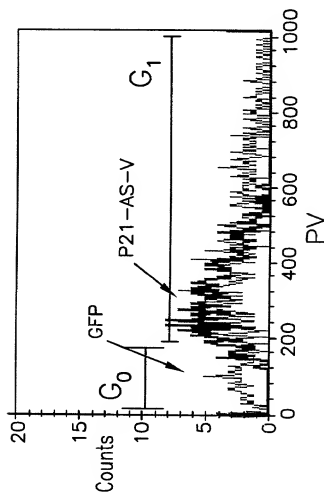


FIG. 11b

Percentage of G_0 cells in the CD34+38-
subpopulation of transduced CD34+ cord
blood cells

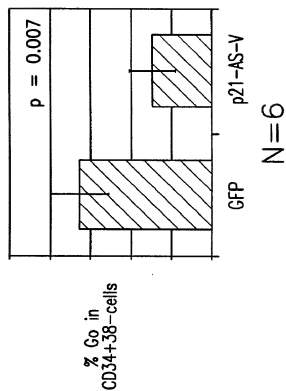


FIG. 10a



16/21

FIG. 10b

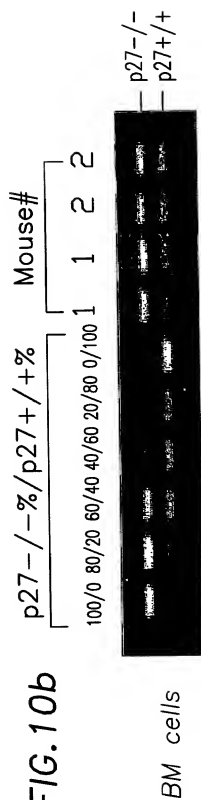


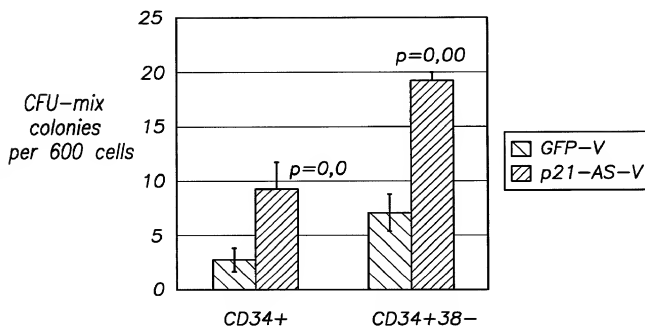
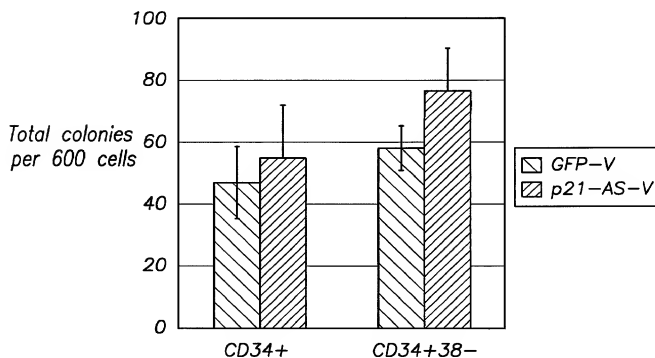
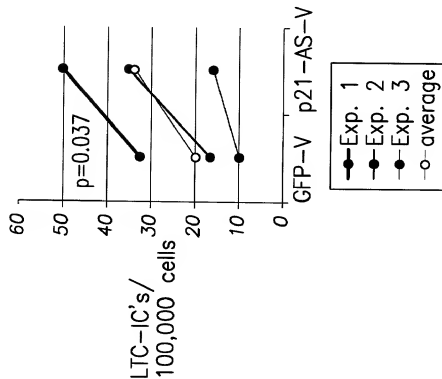
FIG.12a*CFU-mix colonies of transduced progenitor cells***FIG.12b***Total colony number of transduced progenitor cells*

FIG. 13

LTC-IC assay p21-AS
transduced CD34+ cells



LTC-IC assay p21-AS
transduced CD34+38- cells

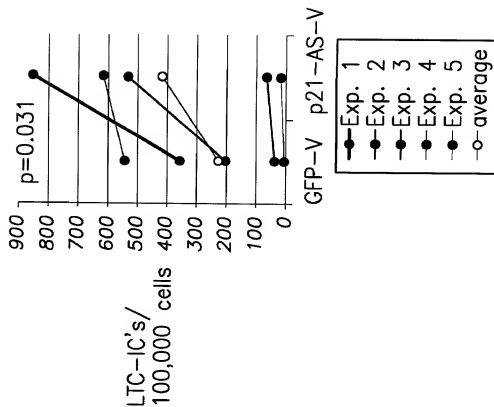


FIG. 14 $p21^{Cip1}$ anti-sense enhances human CD34⁺ cell engraftment of NOD/SCID mice

